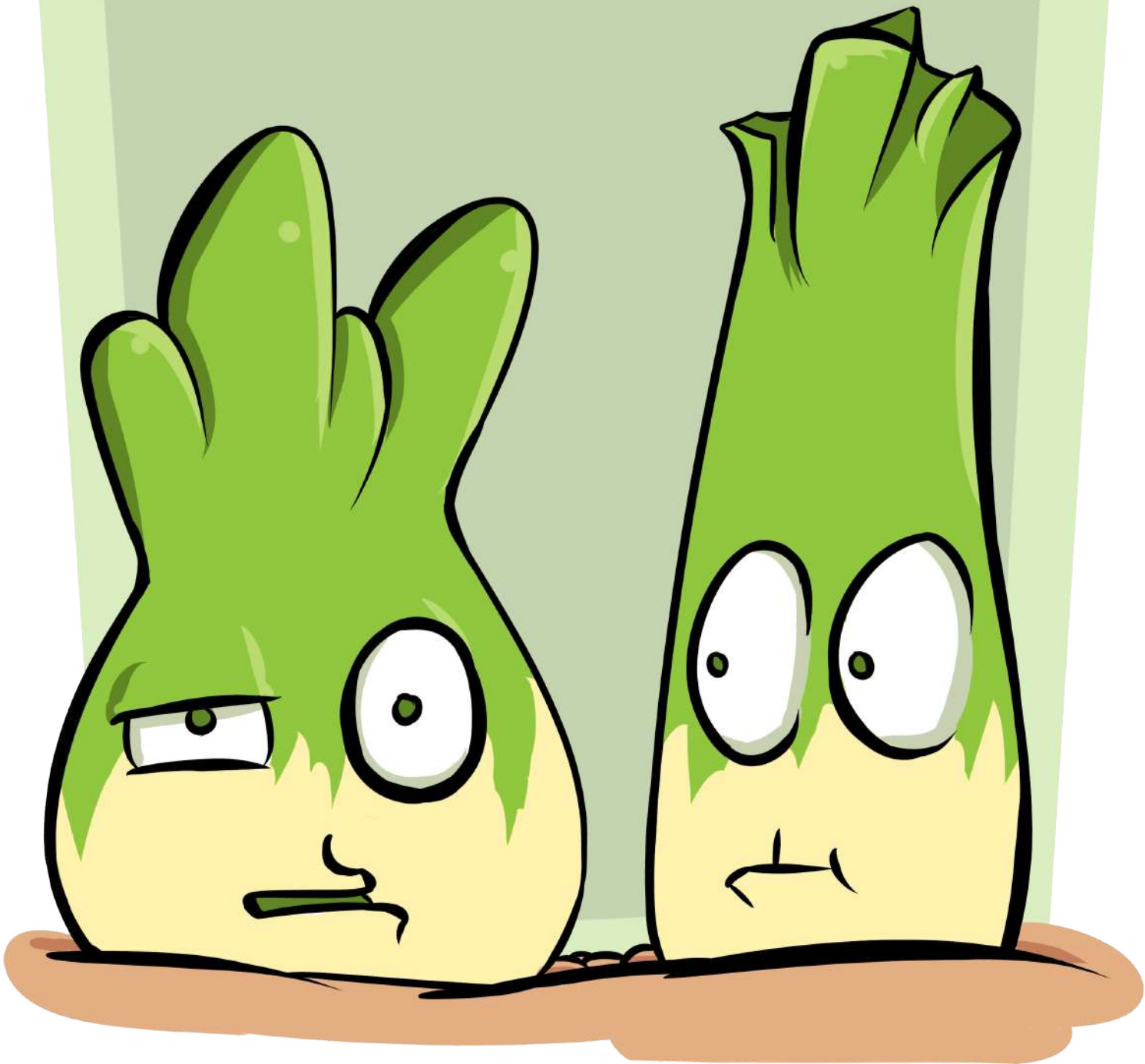


# Space Lettunauts

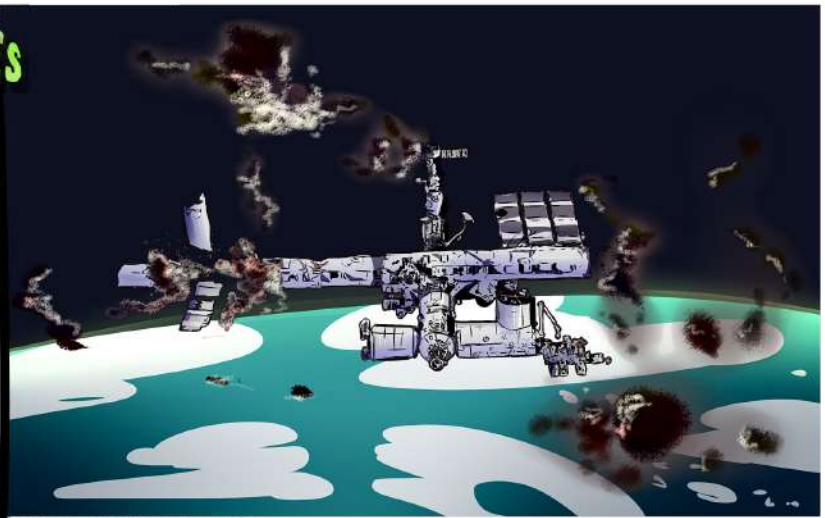
Cleef Hanger



# LECHUGUINOS ESPACIALES

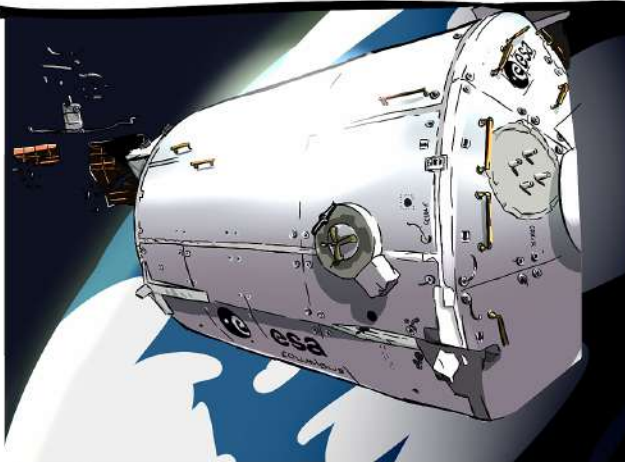
118036 LAP TO THE THIRD ROCK OF THE VIRGO SUPERCLUSTER, LOCAL GROUP, MILKY WAY, SOLAR SYSTEM, KNOWN AS EARTH.

WHAT REMAINS OF THE INTERNATIONAL SPACE STATION \*, THAT IS STILL IN ORBIT EVEN AFTER THE FAILED ATTEMPTS OF A GROUP OF UNYIELDING ASTRONAUTS SHOUTING "BUT IS NOT SO OLD" AND "WITH DUCT TAPE WILL LAST 20 YEARS" TO KEEP IT GOING.



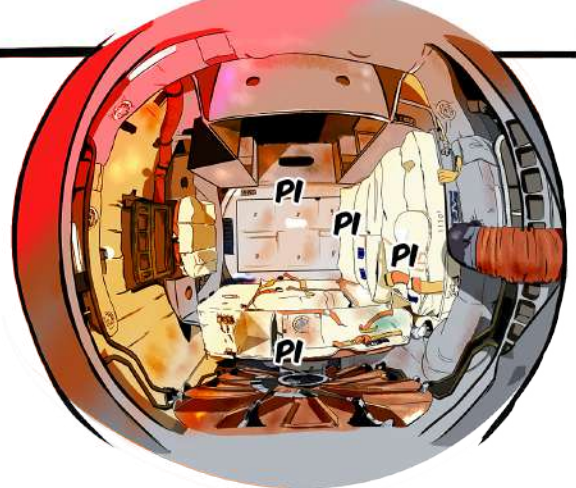
\*ALSO KNOWN AS ISS.

LEFT BEHIND, AT A THOUSAND KILOMETERS IN ALTITUDE\*\* RELATIVE TO THE CENTER OF ITS ORBIT, AND DRIFTING AWAY.



\*\*418KM AT IS APOGEE AND EN 2014 A 88M DAILY DEVIATION AT YEAR 2014

INSIDE, THE EXPERIMENTS LEFT BY THE EXPEDITION 320/21 AFTER THE DISENGAGEMENT OF THE DRAGON V3 WHO WERE PAID WITH A PAT ON THE BACK AND A "WELL DONE BIG GUYS".

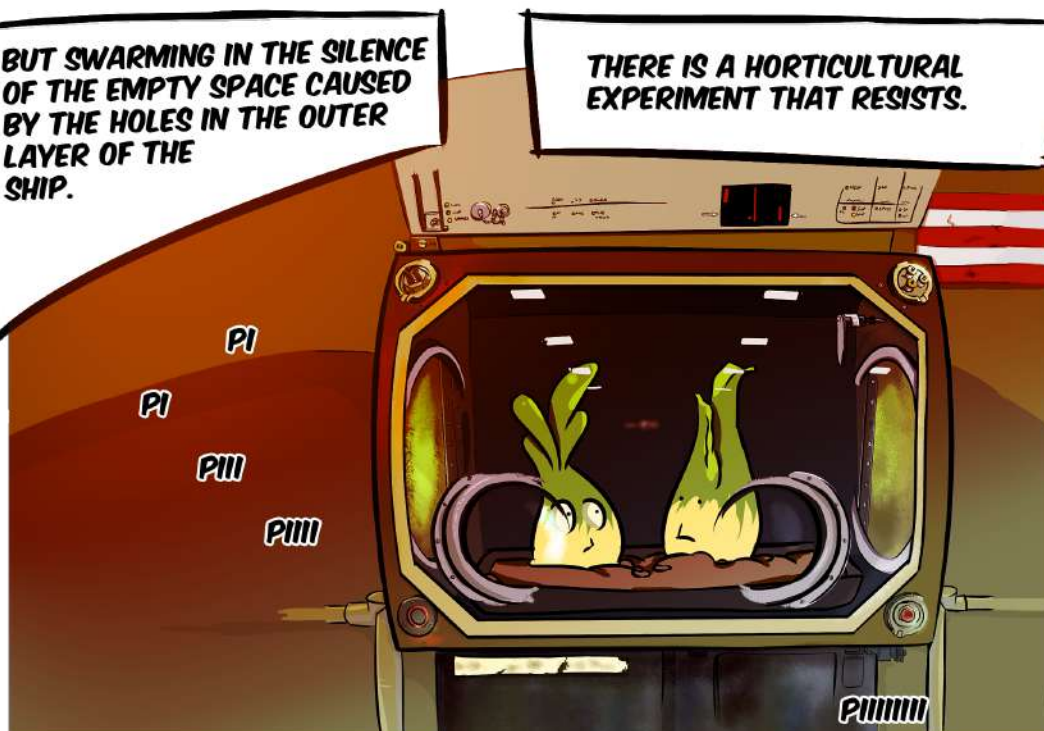


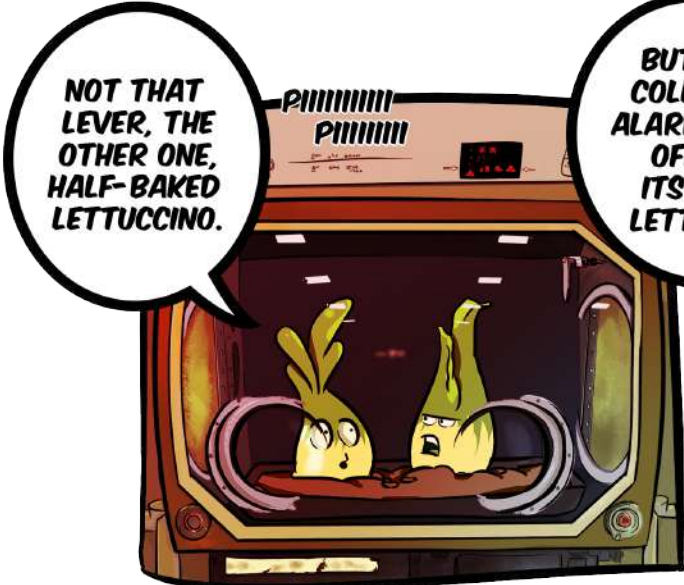
BUT SWARMING IN THE SILENCE OF THE EMPTY SPACE CAUSED BY THE HOLES IN THE OUTER LAYER OF THE SHIP.

THERE IS A HORTICULTURAL EXPERIMENT THAT RESISTS.

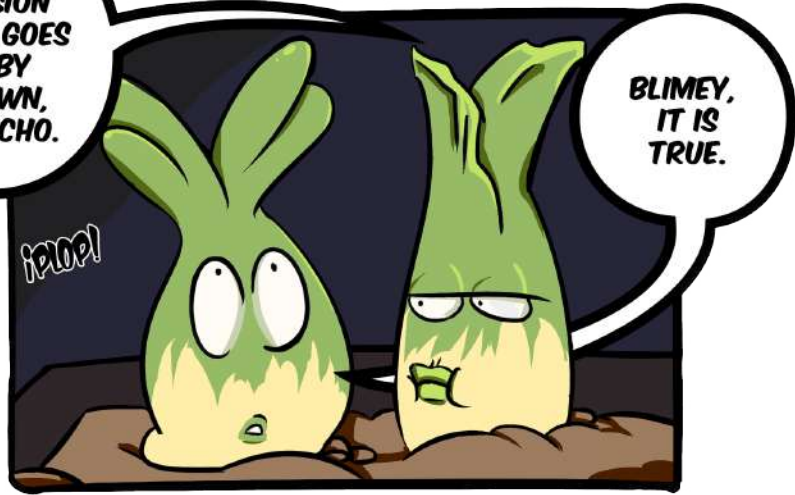
LUCKILY THE ESA'S COLUMBUS MODULE MANUFACTURED WITH THE SPIRIT OF THE GERMAN DRIVER TRIPS THAT SAID "I'M NOT MOVING MY CAR" STILL RETAINS SOME OF ITS WEATHER FUNCTIONS.

(SO, THERE IS AIR AND THEREFORE NOISES!)

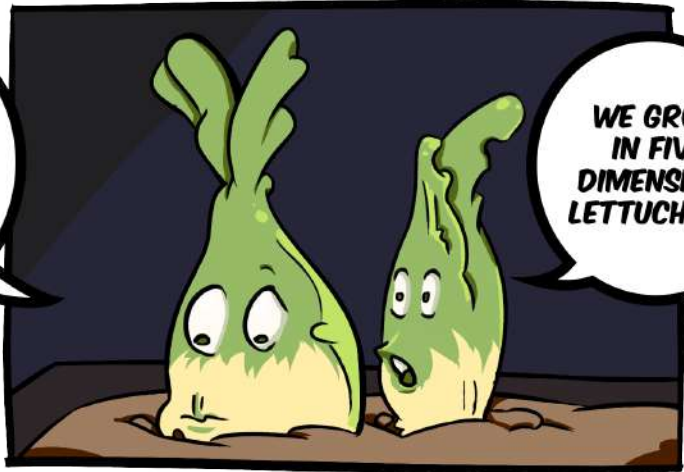




BUT, THE COLLISION ALARM GOES OFF BY ITS OWN, LETTUCHO.



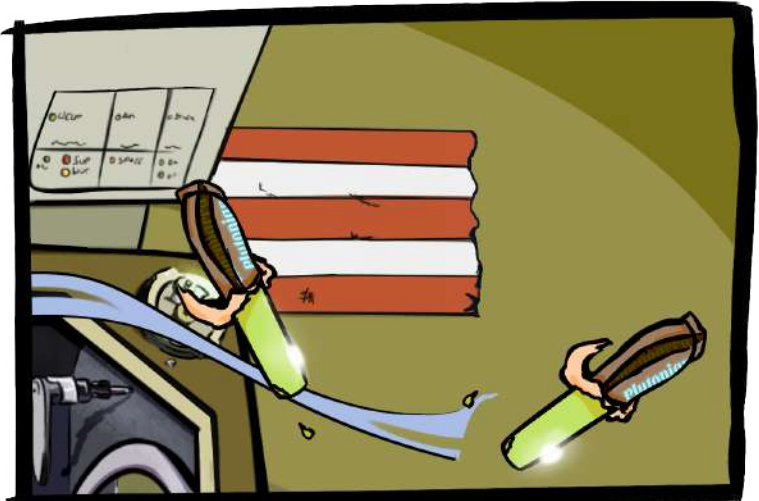
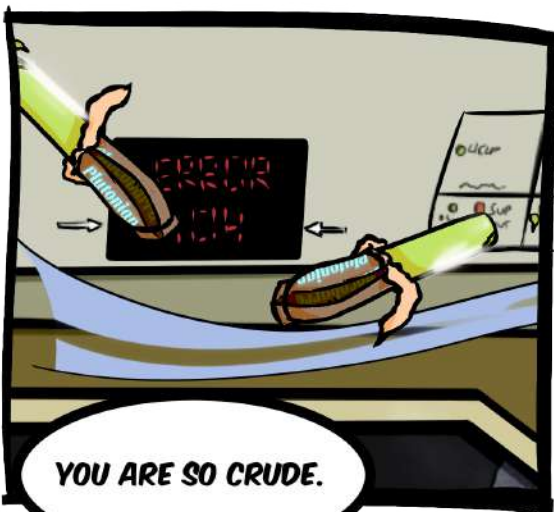
HEY LETTUCHO, WE GROW DOWNSIDE UP OR MY FEET ARE IN THE CEILING?




WE GROW IN FIVE DIMENSIONS, LETTUCHERO.

OK THEN, THAT GIANT AFRICAN SNAIL MUST BE APPROACHING FROM THE SIXTH ONE.







I PREDICTED HIROSHIMA, I SAID 'NO' TO HITLER AND NASA, I WROTE THE HYPOTHESIS OF THE 4TH DIMENSION AND HYPERSPACE AS I DRANK COFFEE AND EVEN I HAD TIME TO MAKE A PROJECT FOR A MANNED MISSION TO THE MOON IN THE 32 AND AT 34 I INVENTED STRATOSPHERIC SUIT.

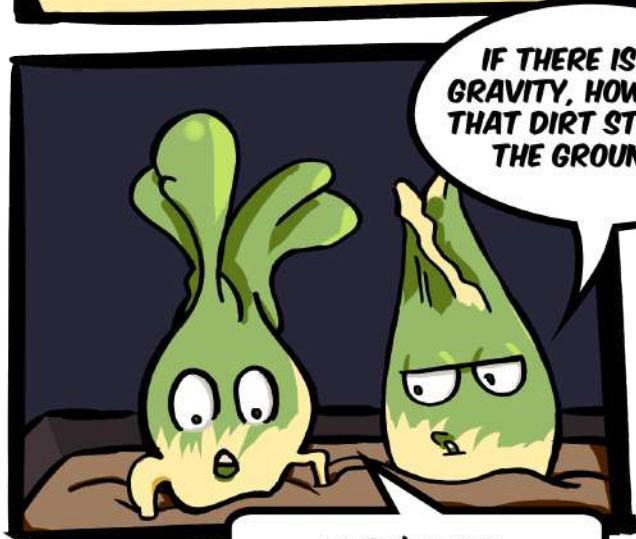
AND WHILE SOME HIPPIES WENT AROUND PREACHING LOVE INSTEAD OF WAR, I PRESENTED THE MODEL OF COSMOLOGICAL UNIVERSE OF INFINITE DIMENSIONS

...

... SENT A SATELLITE TO A COMET AND TOLD FRANCO TO CHILL OUT FROM CUENCA.

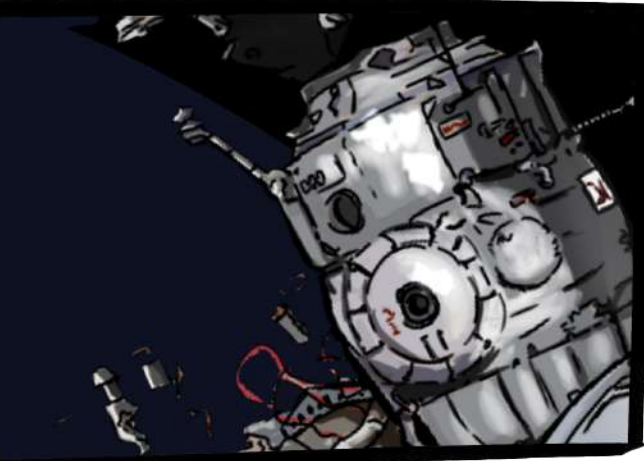
AND NOW, YOUNGSTERS LEAVE WITHOUT EATING THOSE MARVELOUS VEGGIES THAT COST US SO MUCH TO GROW.

SHOW-OFF.



IT ISN'T DIRT, IS DECORATIVE PLASTERBOARD NAILED WITH SCREWS NO.5

BUT THEN... WHAT SUSTAINS US?



NOTHING LETTUCHO, NOTHING.



WELL, DRIP IRRIGATION UNTIL THE MACHINE TEARS APART.



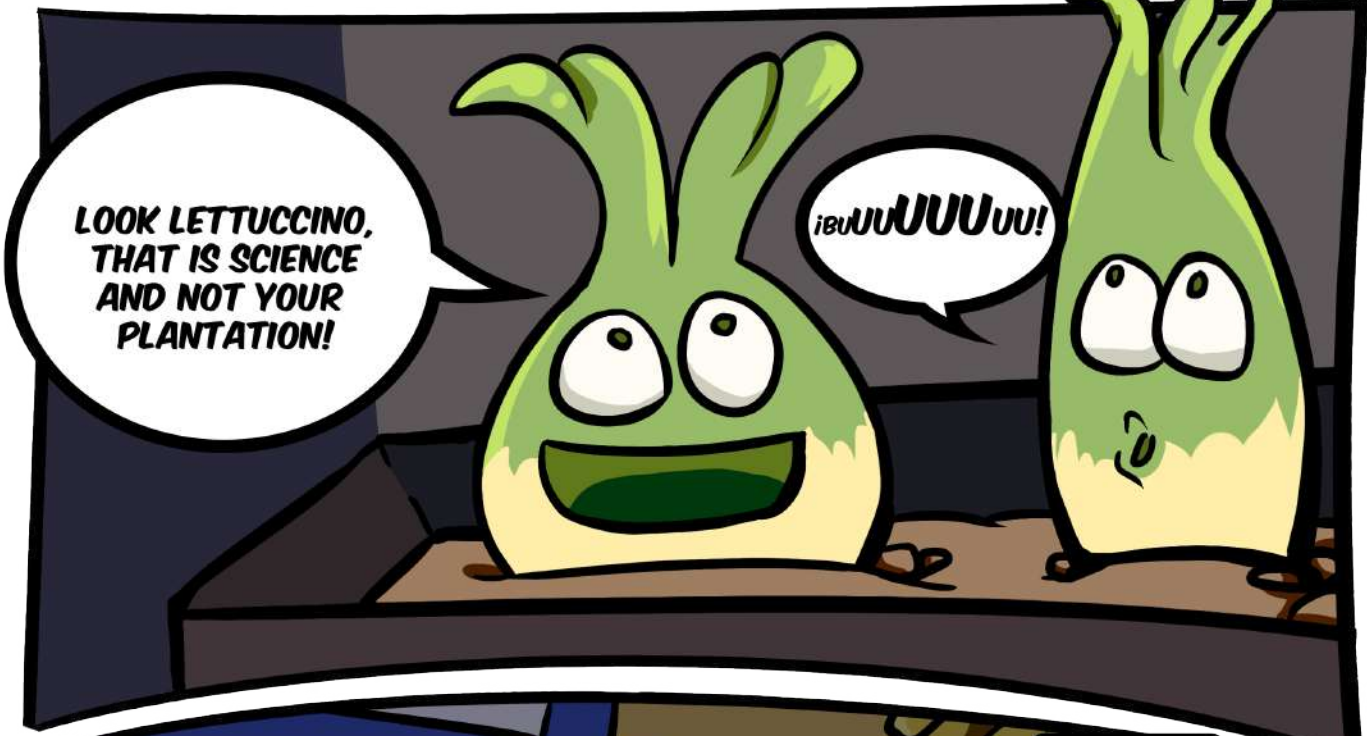
HEY LETTUCHO

ASTRONAUTS CAME  
HERE TO DO  
SCIENCE STUFF

RIGHT?

ACCORDING TO  
THEIR PAYROLL, YES.





LOOK LETTUCCINO,  
THAT IS SCIENCE  
AND NOT YOUR  
PLANTATION!

iBUUUUUUU!

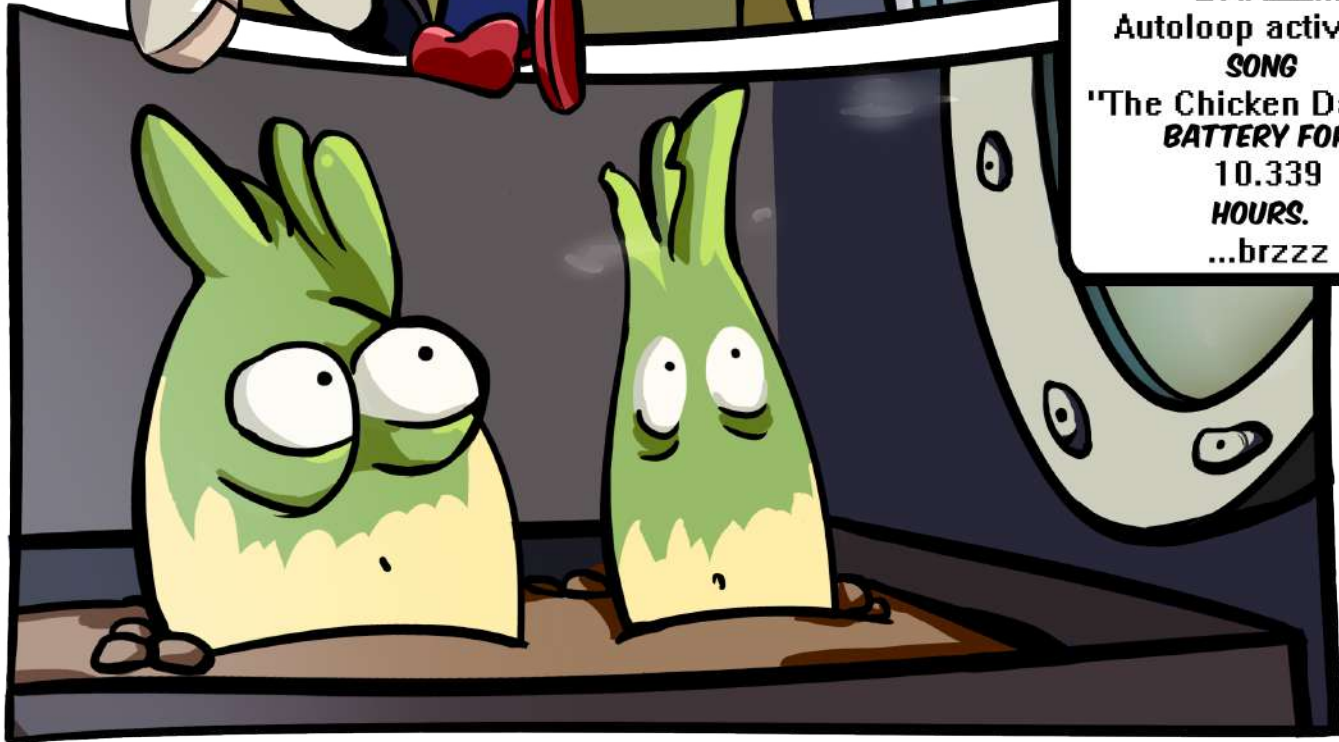


¿ANATA WA  
OKAASAN?

Brrzz

BRrrzzz

BRZZZ...  
Autoloop activatted  
SONG  
"The Chicken Dance",  
BATTERY FOR:  
10.339  
HOURS.  
...brzzz





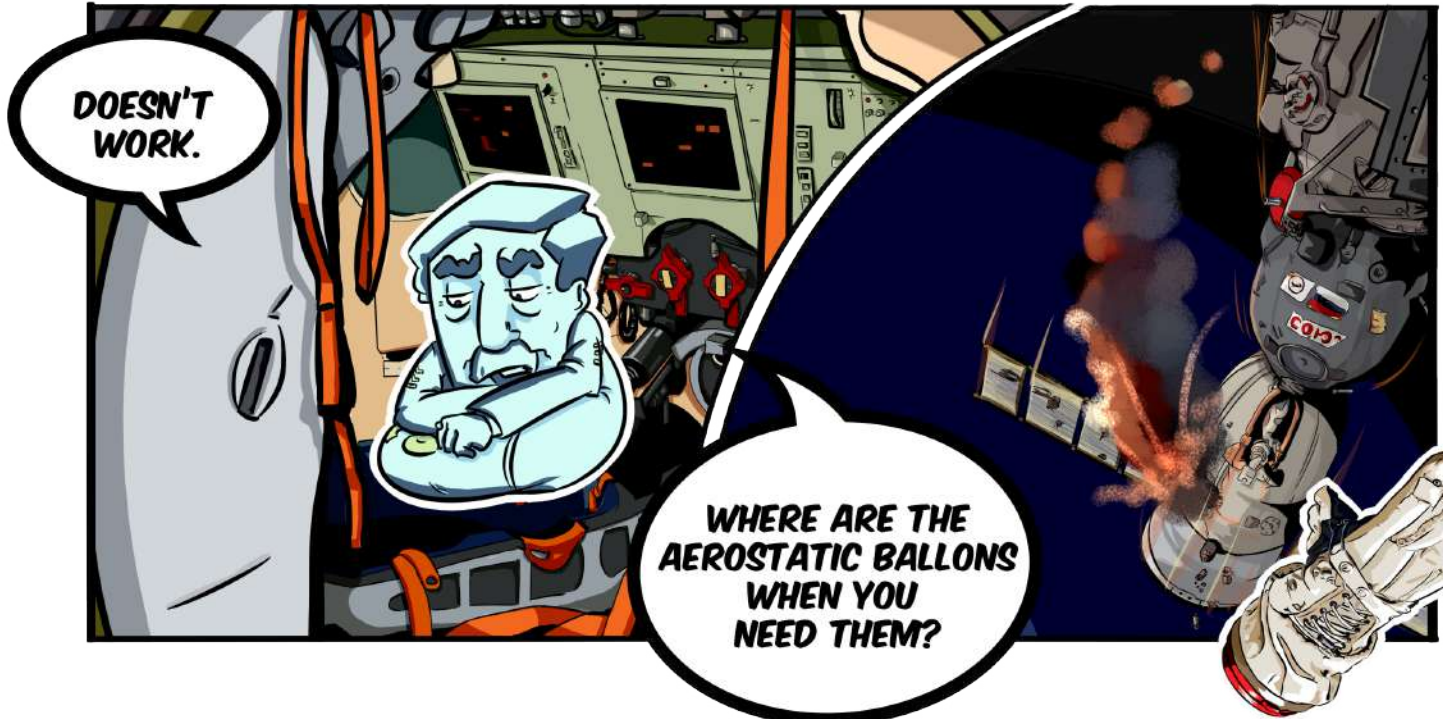
**TO THE  
SAFETY BOATS!**



**WE DON'T  
HAVE ONE.**



**THE SOYUZ  
THEN!**



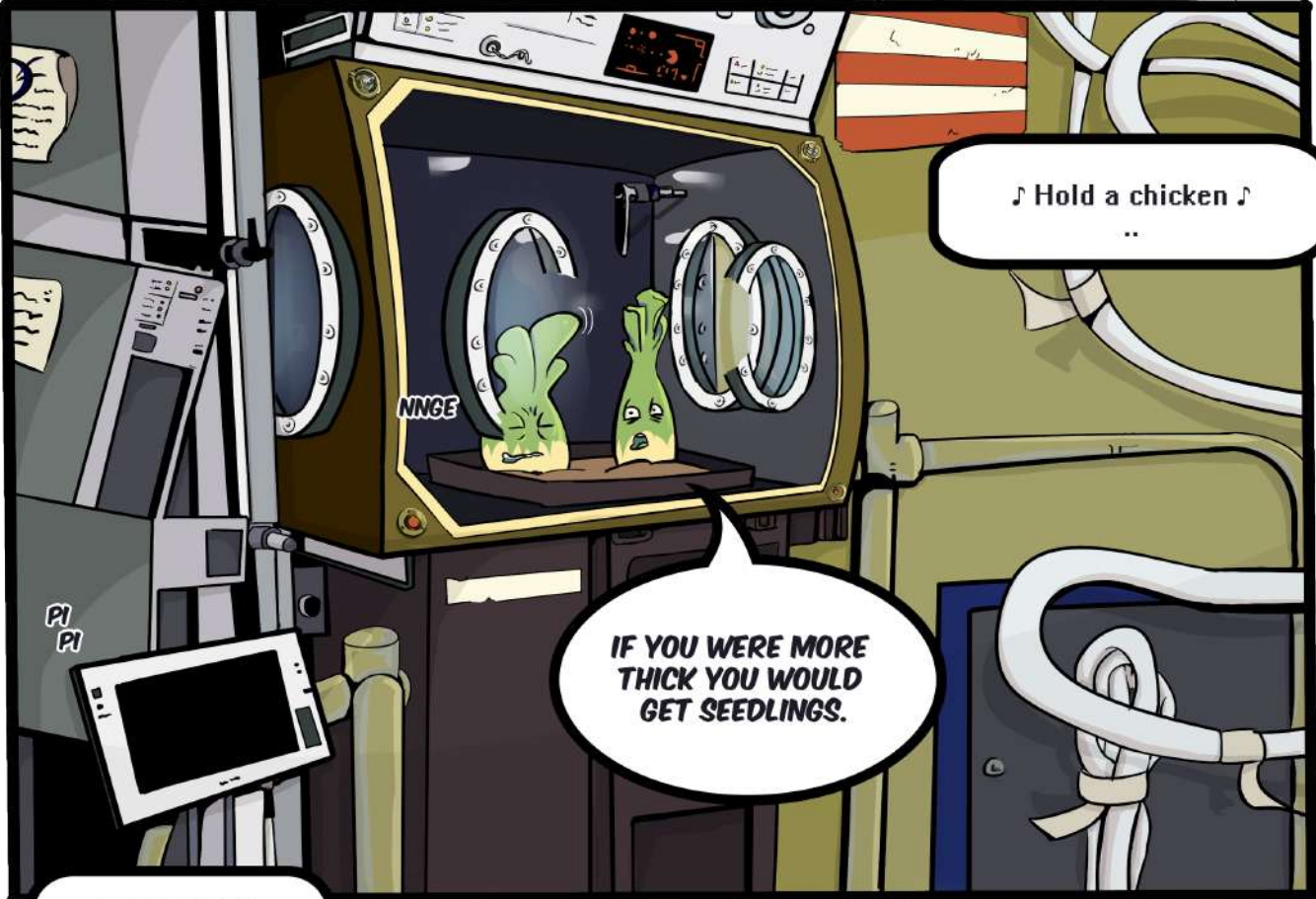
**DOESN'T  
WORK.**

**WHERE ARE THE  
AEROSTATIC BALLONS  
WHEN YOU  
NEED THEM?**

**SOMEONE SHOT THAT CHICKEN!**

♪ Hold a chicken in the air  
Stick a deckchair  
up your nose  
Buy a jumbo jet ♪

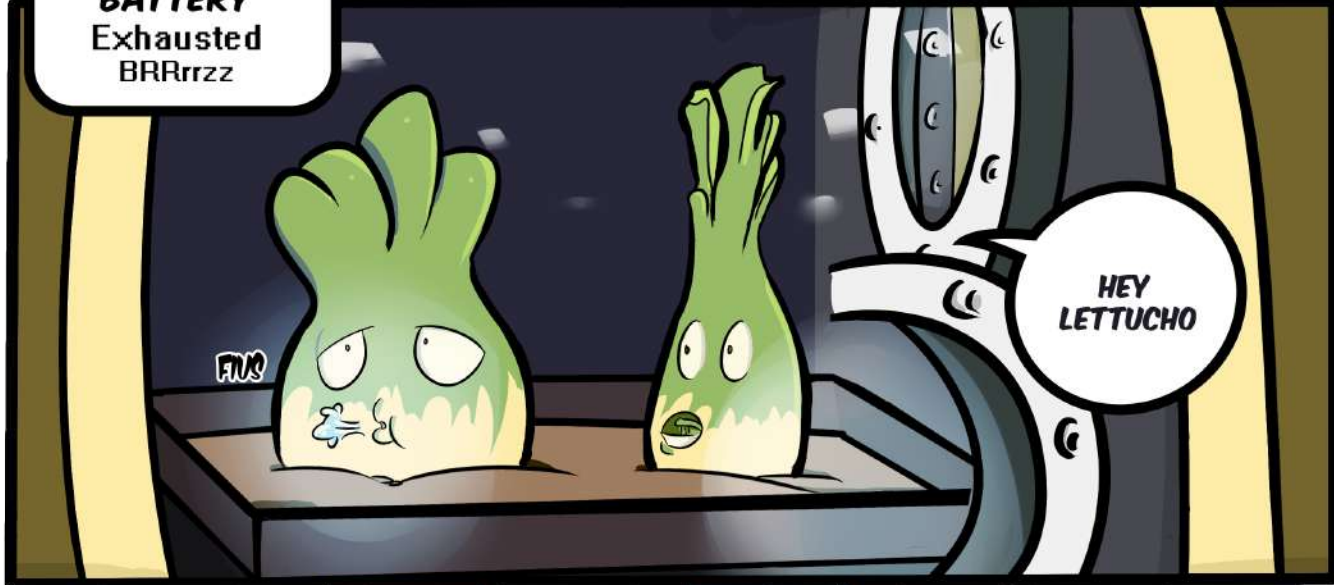
♪ LA ♪  
LA ♪ LA  
LA



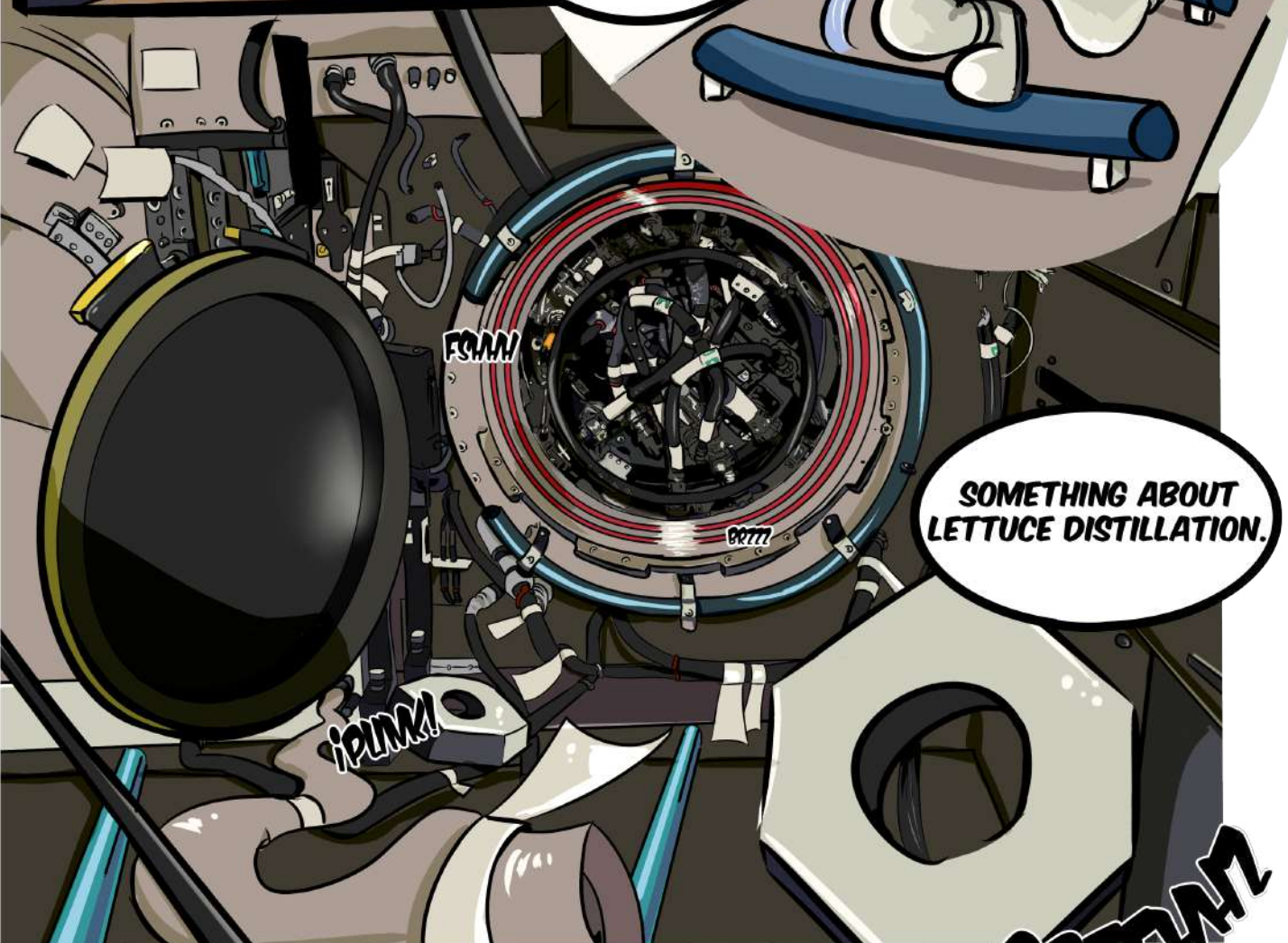
♪ Hold a chicken ♪  
..

**IF YOU WERE MORE THICK YOU WOULD GET SEEDLINGS.**

**BATTERY Exhausted**  
BRRrrzz

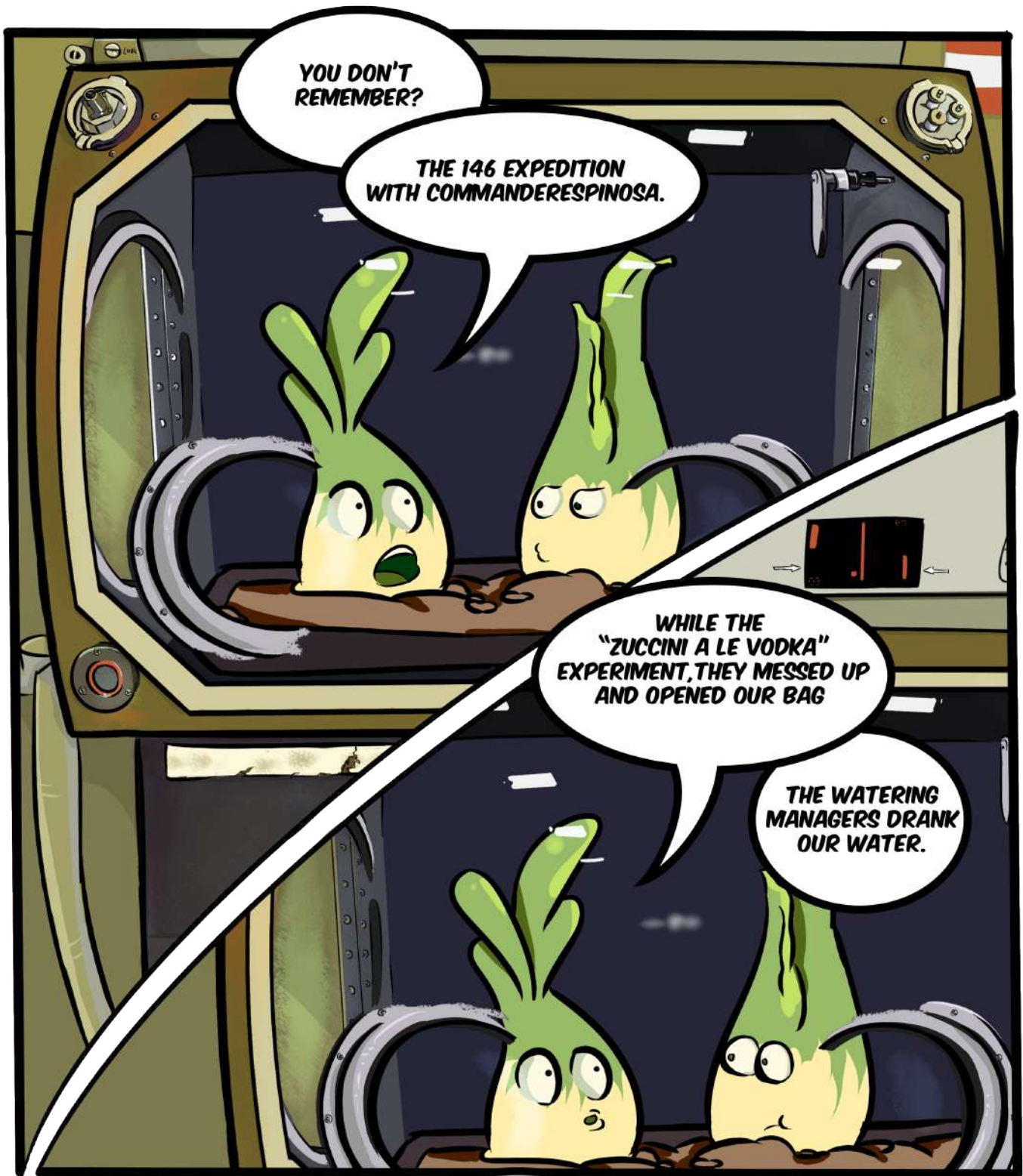


**HEY LETTUCHO**



\*MICROGRAVITY SCIENCE GLOVEBOX.

**GREENMAN**



**YOU DON'T  
REMEMBER?**

**THE 146 EXPEDITION  
WITH COMMANDERESPINOSA.**

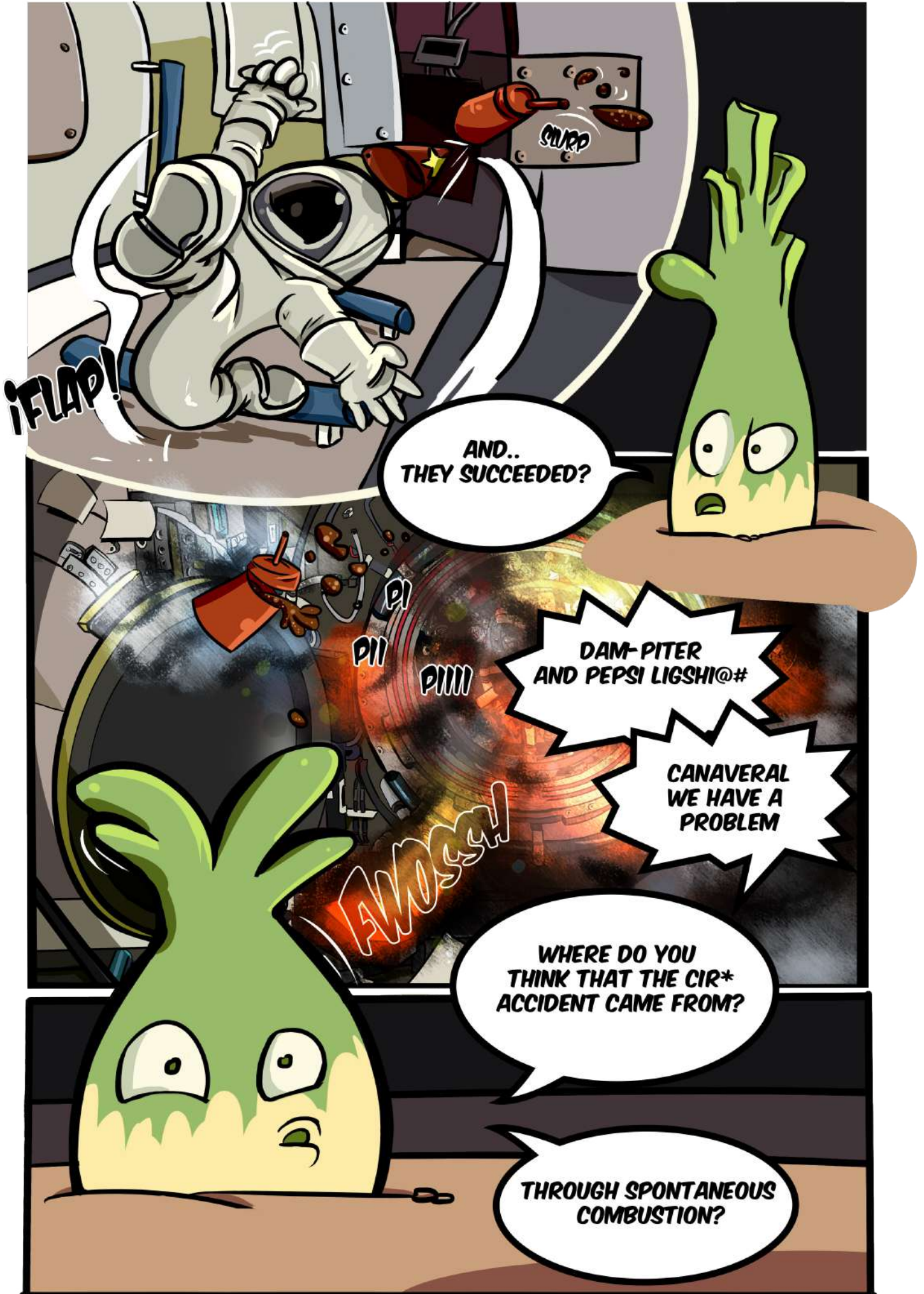
**WHILE THE  
"ZUCCHINI A LE VODKA"  
EXPERIMENT, THEY MESSED UP  
AND OPENED OUR BAG**

**THE WATERING  
MANAGERS DRANK  
OUR WATER.**



**THE ONLY SURVIVORS  
OF THAT PARTY  
WERE US, A RUSSIAN  
AND A TARDIGRADE;  
THANKS TO A STRUCTURAL  
KEY ELEMENT**

**AND DUCK TAPE.**



**iFLAP!**

**AND..  
THEY SUCCEEDED?**

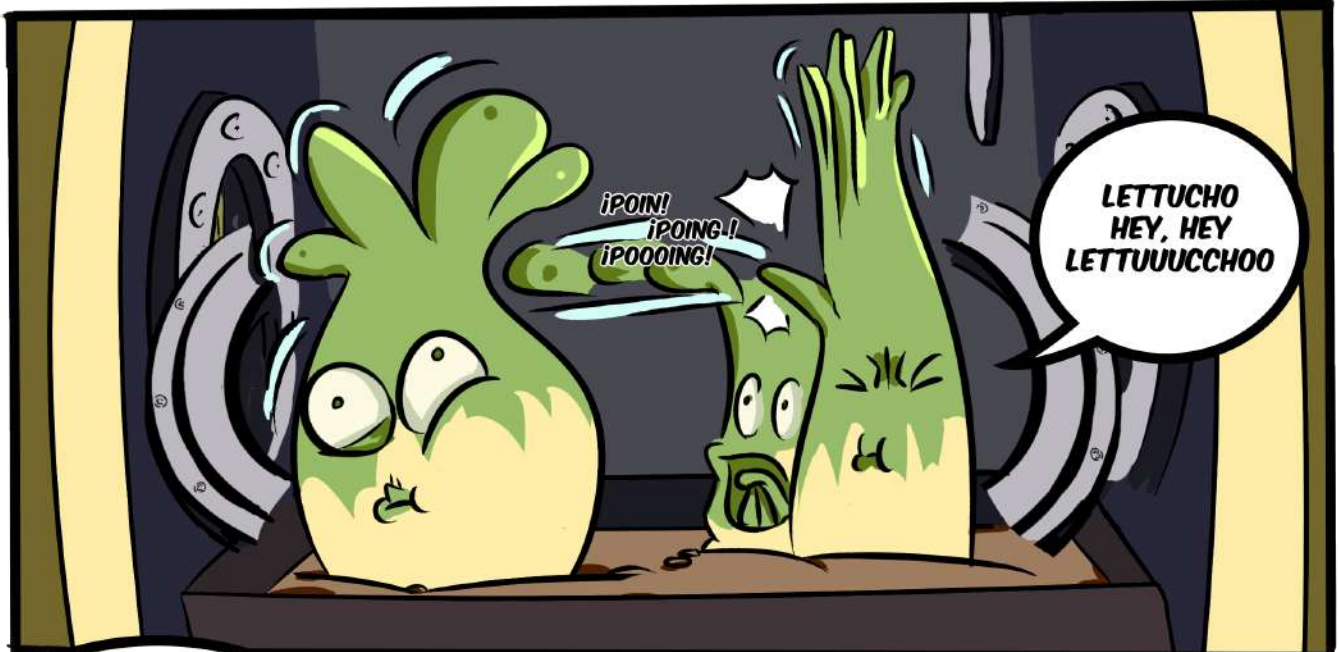
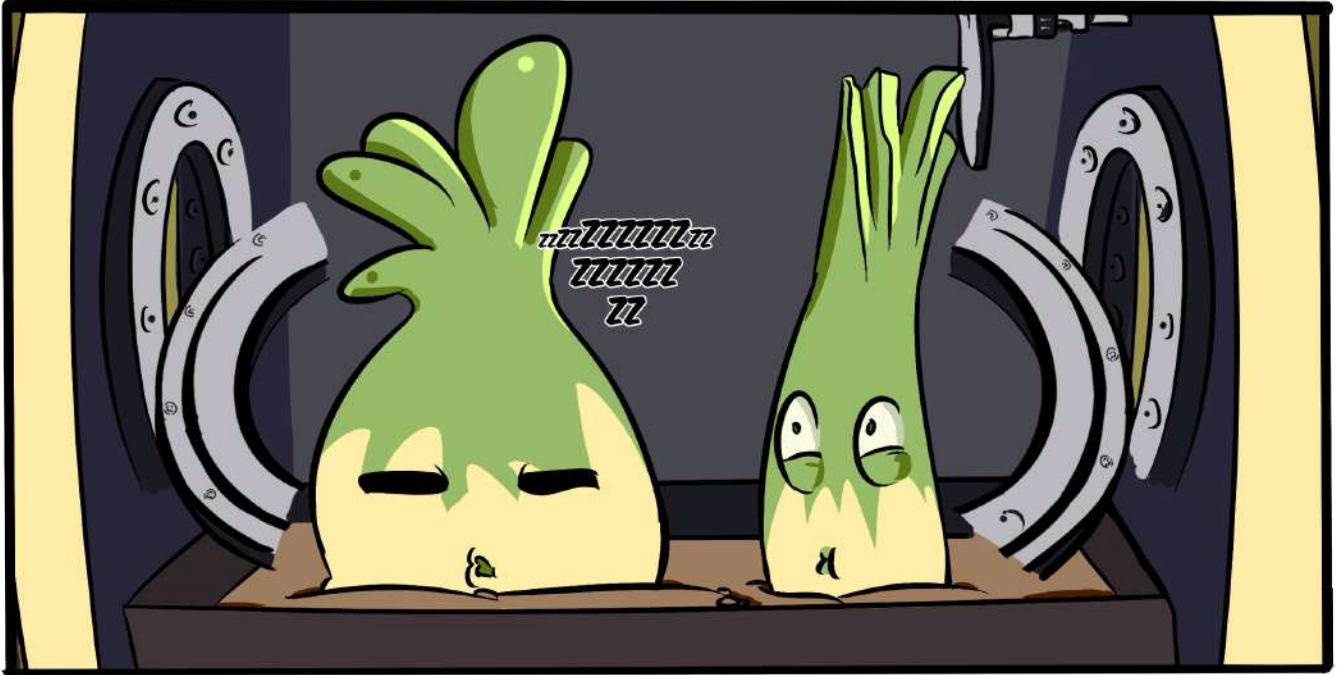
**DAM-PITER  
AND PEPSI LIGSHI@#**

**CAN AVERAL  
WE HAVE A  
PROBLEM**

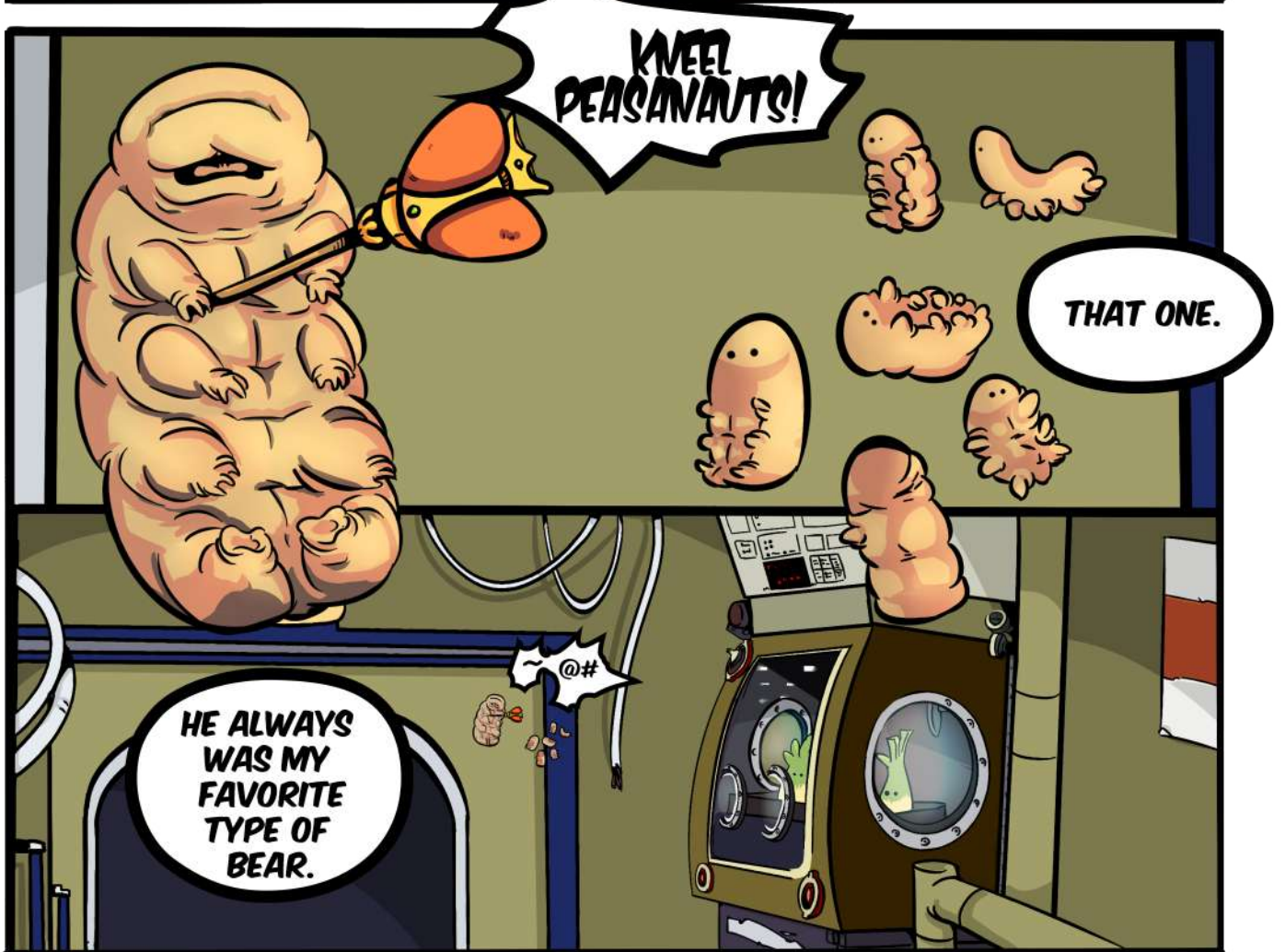
**WHERE DO YOU  
THINK THAT THE CIR\*  
ACCIDENT CAME FROM?**

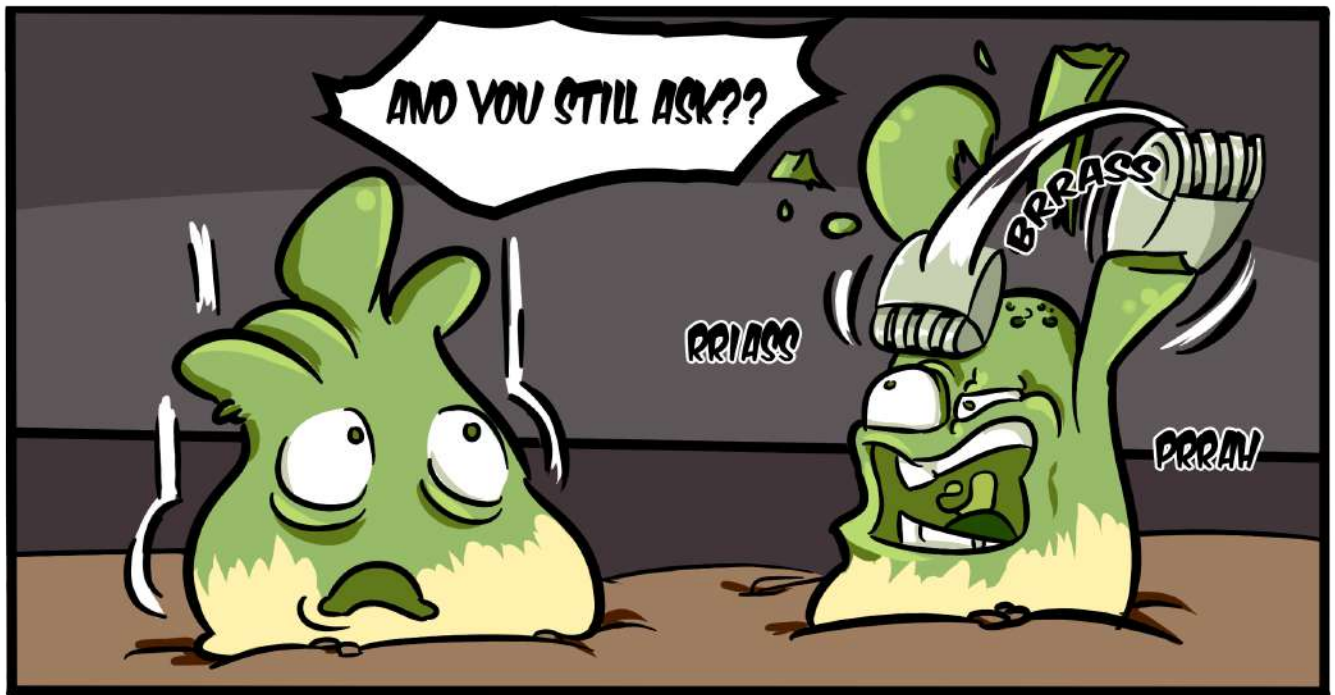
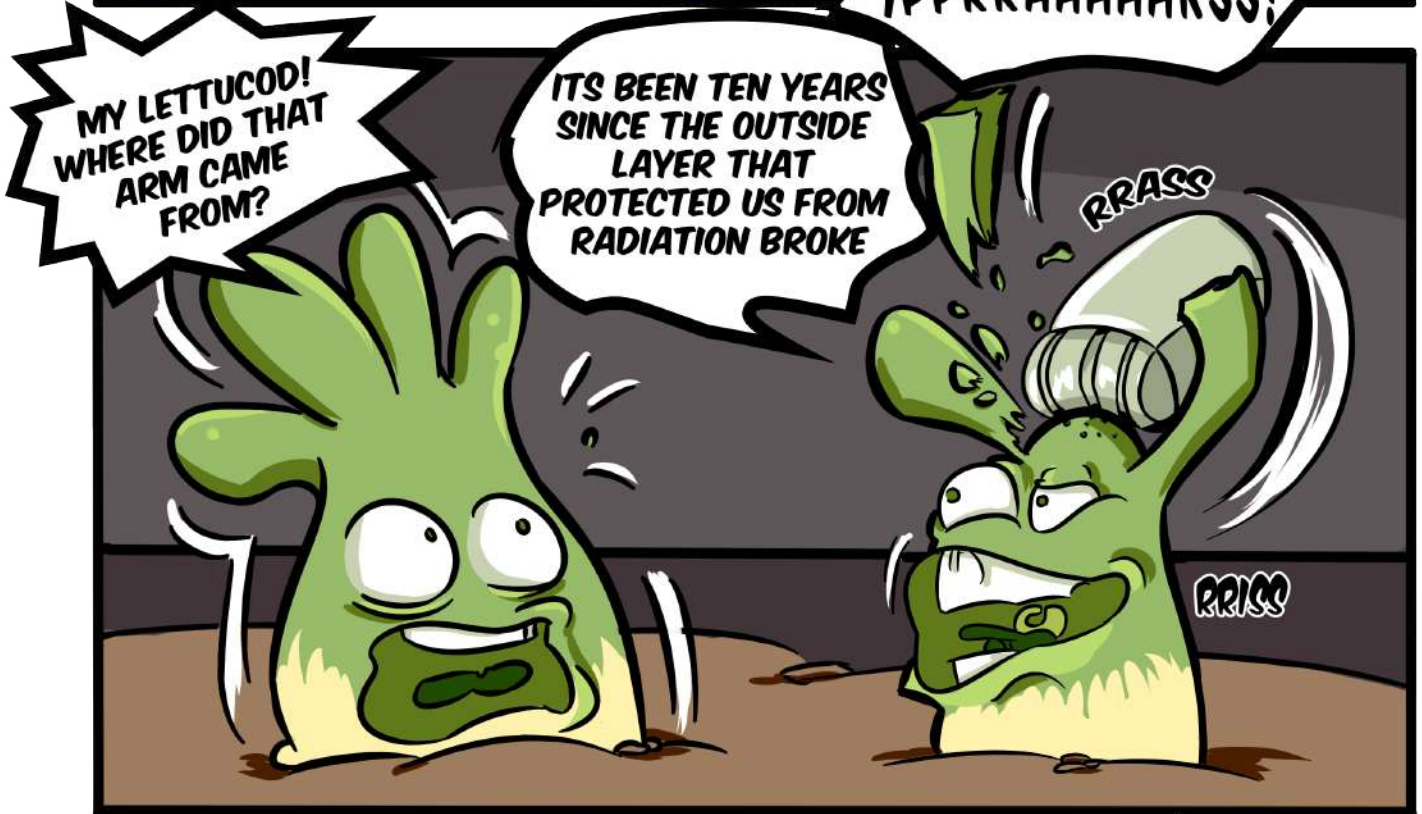
**THROUGH SPONTANEOUS  
COMBUSTION?**

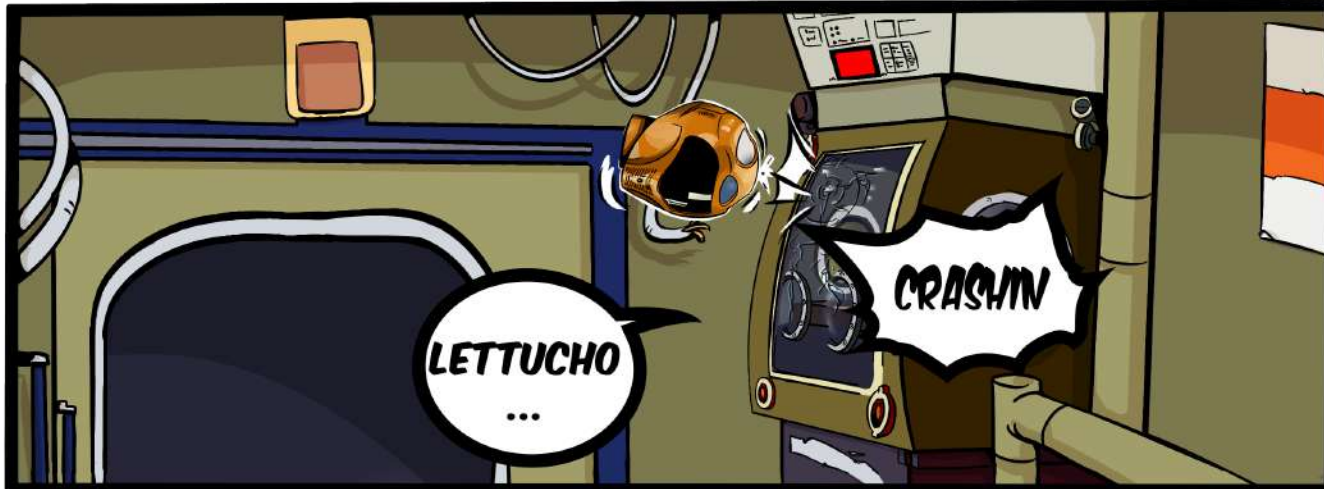
**\*COMBUSTION INTEGRATED RACK**

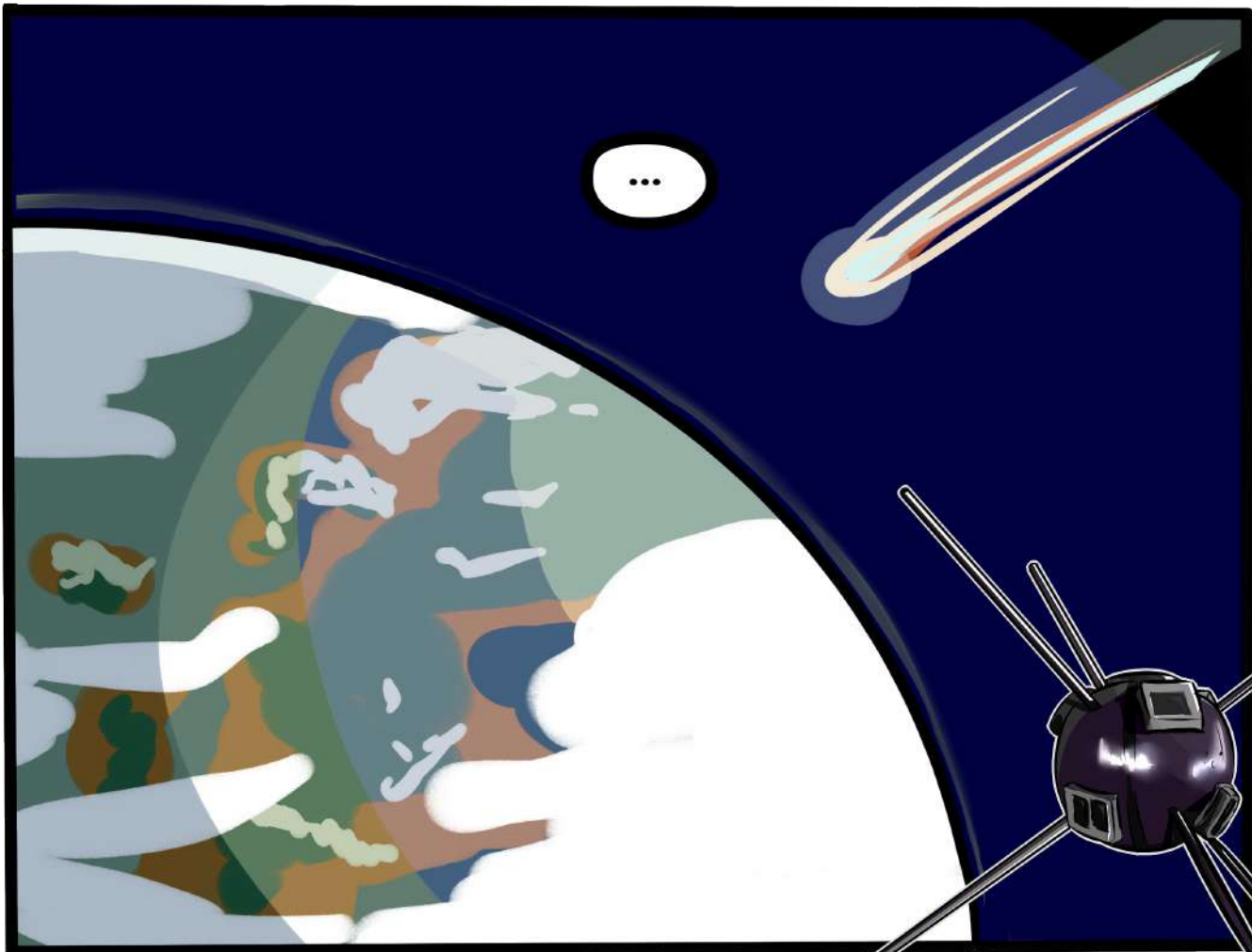




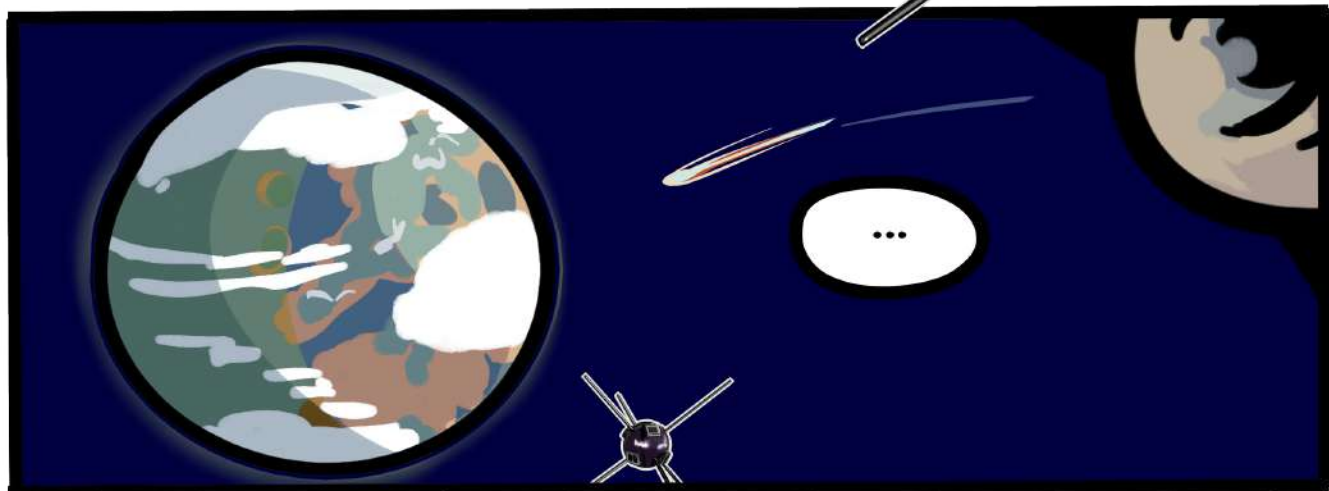




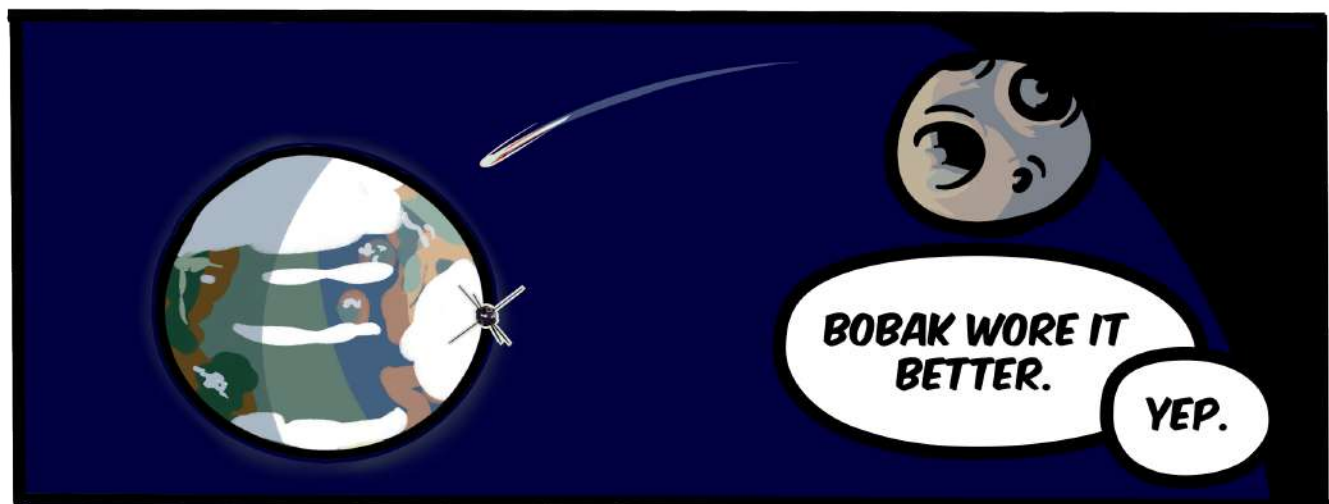




...



...



**BOBAK WORE IT BETTER.**

**YEP.**



**LETTUCHO.**



**HEY, LETTUCHO.**



**LETTUCHO WAKE UP!**



**WAKE UP LETTUCHO!**



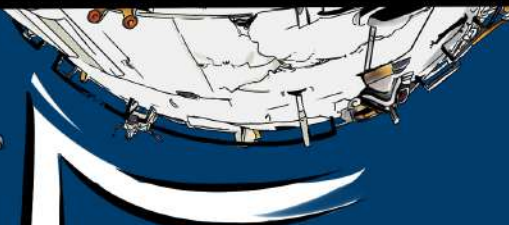
**¡VAG!**

**I WAS DREAMING THAT  
I WAS AN ASTRONAUT  
AND THERE WAS  
VOICE-OVER**

**AND YOU  
WERE THERE.**



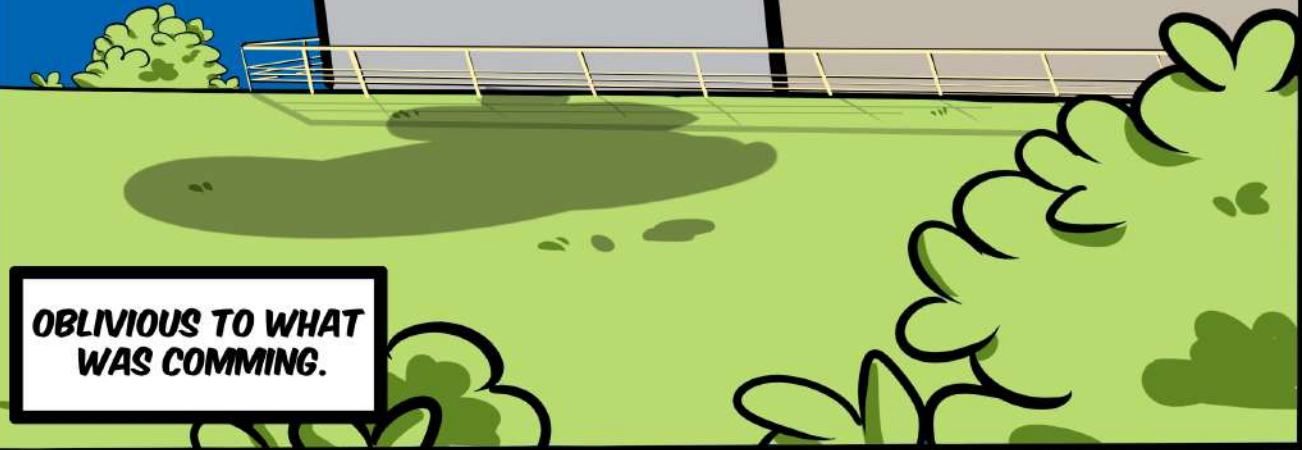
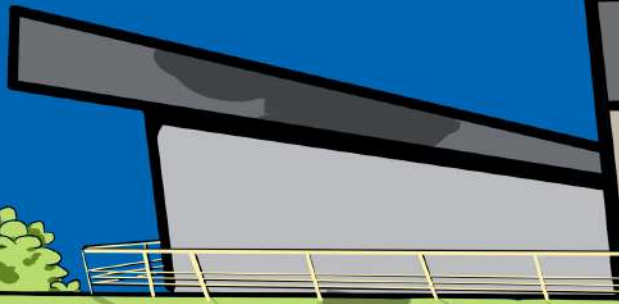
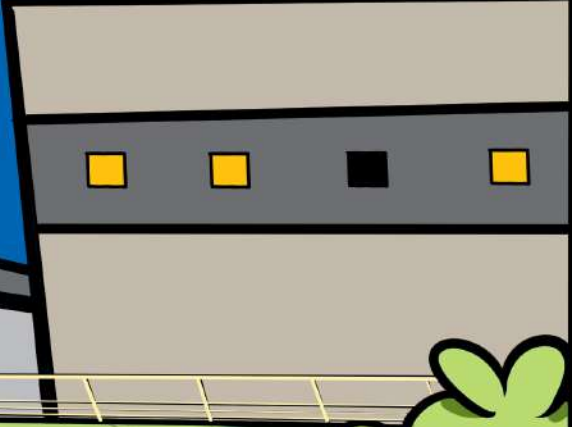
**THATS IT,  
NO MORE MANURE  
FOR YOU.**



**ISS!**

**WHILE THE ISS WENT OUT OF ITS ORBIT. THE WORKERS AT IBERIC VEGGIES S.L WATCHED THE MADRID VS ARSENAL FINAL MATCH.**

**Iberic Veggies S.L.**



**OBLIVIOUS TO WHAT WAS COMING.**

## Glossary

The ISS consists of a conglomeration of modules or "rooms" and has one of the few space ports that can be found in outer space

At 'Space Lettucnauts' appear:

**Kibo:** JAXA's (Japan Exploration Agency) module whose name means hope, makes a cameo. In 2003 his journey to the Kennedy Space Center began and joined the station in three trips, the latter would be in 2009.

**Columbus:** At this module of the ESA (European Space Agency) happens almost all the action of 'Space Lettucnauts'. The MSG, where Lettuchio and Lettuccino live, is located in this module.

**Destiny:** This module developed by NASA (National Aeronautics and Space Administration) is devoted mainly to laboratory tasks and it contains the CIR. Some of the action takes place in this module. Destiny joined the station in 2001.

**Harmony:** This module developed together by NASA and ESA, does not appear in this comic but is probably the most important one. Harmony connects Kibo, Columbus and Destiny modules plus the Canadarm 2 (a robotic arm). Among other things, this module serves as an international meeting place for astronauts.

**Soyuz:** The name of several Russian ships and space missions that are responsible for sending up to three astronauts at a time and various cargoes to space. The Soyuz 1 crashed on reentry resulting in the death of its only member of the crew at 1967. Since then the Soyuz missions have sent astronauts to the Salyut, Mir and ISS space stations successfully. The Soyuz was also designed to send astronauts to the moon but never did it. The Soyuz shown in this comic is based on models of Soyuz TMA-M which came into use in 2010 and will be replaced by model Soyuz MS in 2016.

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**Characters:**

**Lettuchio:** A fictional, romaine lettuce and astronaut.

**Lettuccino:** The lettuce that is not Lettuchio. His favorite quote is "Hey".

**Little Bigboy:** Tardigrade who declared himself as the Queen of Space.

**Emilio Herrera Linares:** Grenadian whom, among other things, was an airplanes and dirigibles pilot, military observer during the First World War, UNESCO consultant, architect and president of the Government of the Republic in exile. He created the stratonautic scuba for balloon pilots that was the forerunner of NASA spacesuits that, based on his work developed what would be the spacesuits that would step on the moon. After the Spanish Civil War, Hitler would offer a job that he rejected. In 1945, Herrera, published an article about the use of the atomic bomb that was rejected days before it was used in Hiroshima.

Later being during the Spanish dictatorship, NASA offered him to join the project to develop spacesuits for the moon trip but, Herrera refused when they rejected his request that the Spanish flag had to wave on the moon. Neil Armstrong, after his trip, would give him a moon rock in recognition of his work.

At the end of his life, he tried to hold a referendum in Spain to choose whether the Spanish government should be a monarchy or republic. Yet this scientific doesn't appear at school textbooks, where it is stated that one of the most famous inventions of Spain is the mop. He shows up in this comic as an homage to those inventors and other Spaniards whose merits, that influenced space exploration, have disappeared from the educational program.

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**Bobak:** Systems Engineer at NASA who became known for his mohawk hairstyle when the Curiosity probe landed on Mars.

**Tardigrado:** These invertebrates, segmented micro-animals with eight legs can survive 6000 atmospheric pressures greater than that of Earth, ionizing radiation, temperatures between -200 and 150 Celsius and up to ten years without water. They are probably the terrestrial beings better adapted for life in space. In 2007 a group of tardigrades were part of the experiment Tardkiss where they were exposed to the vacuum of space without oxygen. They became the first earthlings to do a space walk without protection and without dying in the attempt. One could say that their toughness will make them the Kings of space exploration.

*Also, they are my favorite type of bears.*

**Peasanauts:** Made up word from peasant and astronaut.

Send your regards to:  
acleefhanger@gmail.com

# LECHUGUINOS ESPACIALES

In April 2014 a group of "Outredgeous" lettuces were transported to the ISS aboard the SpaceX Dragon CRS-3.

Although the station had had green inhabitants before (sunflowers, peas or zucchini etc) these were the first lettuces to be cultivated to research the possibility of creating a farm in space that would enable astronauts have fresh and healthy food during their journeys, besides offering astronauts a means to combat the consequences of the long periods of isolation in space.

This experiment was welcomed by agriculture lovers among astronauts and lettuce, with the assistance of his crewmates, could mark "a small step for a lettuce, one giant leap for lettuicians" when the first buds of his generation took root in space.

It was in that year that 'Space Lettucnauts' was born as a one-shot comic and as a tribute to these other forms of life that have achieved what very few managed before them: take a look from outside our small and fragile blue dot and take a walk around its backyard.

On the ISS, the astronauts are allowed to take a few personal items, like drawings, LEGO toys or maracas; in this comic can be seen:

**Giraffe:** In the ISS Expedition 35/36, Christopher Cassidy carried a stuffed giraffe that her daughter gave him. It wasn't the first stuffed giraffe on board the expedition 21 also brought one.

**Lobster:** Cassidy also carried a plastic red lobster that could often be seen hanging from the walls of the ISS.

**Didgeridoo:** In expedition 30 Donald Pettit used parts of a vacuum cleaner that was on board the ISS to build his own didgeridoo besides the one that he brought on board.

**Yo-yo:** Pettit also did some tests on microgravity with this toy.

On board the ISS there are all kinds of experiments and devices, such as the Rodents Habitat or a 3D printer; here are shown :

**CIR (Combustion Integrated Rack):** If there are experiments involving microgravity combustion, flame extinction, characteristics of different fuels become etc, they are done in it.

**MSG (Microgravity Space Glovebox):** Almost all the action of 'Space Lettucnauts' happens in it. Although experiments on plants and their growth has its own habitat, MSG is one of the stars of all time since experiments started on the ISS. It is used for a variety of experiments from testing small parts, how microgravity affects the development of ants to any other one that could contaminate the station or could damage the crew if it wasn't realized in a controlled isolated container.

**Kirobo:** A robot that JAXA (the Japanese equivalent of NASA) sent to the ISS with the commander Koichi Wakata (若田光一) during the expedition 38/39, among other things Kirobo could speak to and interact with humans on board and, as the other members of the crew, he had a backup called Mirata.

**Robonaut 2 (R2):** The second robot NASA astronaut who traveled to the ISS. Among other functions R2 can use tools adapted for astronauts so they don't need to be adapted for him. He can move heavy cargo loads and interact with other astronauts (e.g. eye measurements), perform some repetitive tasks and has a twitter. R2 was also the first Robonaut who got his first pair of legs, different from his human analogues, during Expedition 40 in 2011.

